

**OPINIONS AND DECLARATIONS
RENDERED BY THE INTER-
NATIONAL COMMISSION ON
ZOOLOGICAL NOMENCLATURE**

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

VOLUME 16. Part 5. Pp. 53—72

OPINION 466

Validation under the Plenary Powers of the generic name
Phacochoerus Cuvier (F.), 1826, as the generic name for
the Wart Hog (Class Mammalia)

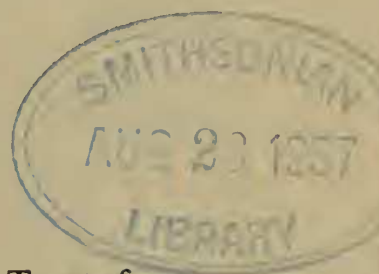
LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1957

Price Thirteen Shillings and Sixpence

(All rights reserved)



INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 466

A. The Officers of the Commission

Honorary Life President : Dr. Karl JORDAN (*British Museum (Natural History) Zoological Museum, Tring, Herts., England*)

President : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

Vice-President : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

Secretary : Mr. Francis HEMMING (*London, England*) (27th July 1948)

B. The Members of the Commission

(*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology*)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*University of Tulane, Department of Geology, New Orleans, Louisiana, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*) (16th December 1954)

OPINION 466

VALIDATION UNDER THE PLENARY POWERS OF THE GENERIC NAME "PHACOCHOERUS" CUVIER (F.), 1826, AS THE GENERIC NAME FOR THE WART HOG (CLASS MAMMALIA)

RULING :—(1) The following action is hereby taken under the Plenary Powers :—

(a) The under-mentioned generic names are hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy :—

(i) *Aper* Pallas, 1766 ;

(ii) *Eureodon* Fischer de Waldheim, 1817 ;

(iii) the under-mentioned variants of the reputed but non-existent generic name *Phacochoerus* Cuvier (G.), [1816] :—

(α) *Phascochoeres* Ranzani, 1820 ;

(β) *Phascochoerus* Ranzani, 1820 ;

(γ) *Phacochaeres* Gray (J.E.), 1821 ;

(δ) *Phacocherus* Fleming, 1822 ;

(ϵ) *Phascochaerus* Desmarest, 1822 ;

(b) The under-mentioned generic name is hereby suppressed for the purposes both of the Law of Priority and of the Law of Homonymy :—

Phacochoerus, all uses of, prior to that of Cuvier (F.) in 1826 ;

(c) The under-mentioned generic name is hereby validated :—

Phacochoerus Cuvier (F.), 1826.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 1080 :—

Phacochoerus Cuvier (F.), 1826, as validated under the Plenary Powers in (1)(c) above (gender : masculine) (type species, by monotypy : *Aper aethiopicus* Pallas, 1766).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1159 :—

aethiopicus Pallas, 1766, as published in the combination *Aper aethiopicus* (specific name of type species of *Phacochoerus* Cuvier (F.), 1826).

(4) The under-mentioned generic names or reputed generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Aper* Pallas, 1766, as suppressed under the Plenary Powers in (1)(a)(i) above (Name No. 870) ;
- (b) *Dinochoerus* Gloger, [1841] (a junior objective synonym of *Phacochoerus* Cuvier (F.), 1826, as validated under the Plenary Powers in (1)(c) above) (Name No. 871) ;
- (c) *Eureodon* Fischer de Waldheim, 1817, as suppressed under the Plenary Powers in (1)(a)(ii) above (Name No. 872) ;
- (d) *Macrocephalus* Frisch, 1775 (a name published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 258) (Name No. 873) ;

- (e) *Macrocephalus* Palmer, 1904 (a junior objective synonym of *Phacochoerus* Cuvier (F.), 1826, as validated under the Plenary Powers in (1)(c) above (Name No. 874) ;
- (f) *Phacochaeres* Gray (J.E.), 1821, as suppressed under the Plenary Powers in (1)(a)(iii) (γ) above (Name No. 875) ;
- (g) *Phacocherus* Fleming, 1822, as suppressed under the Plenary Powers in (1)(a)(iii)(δ) above (Name No. 876) ;
- (h) *Phacochoerus* Cuvier (G.), [1816] (a reputed but non-existent name) (Name No. 877) ;
- (i) *Phacochoerus* Fischer de Waldheim, 1817 (invalid because published in a generic synonymy without an independent indication) (Name No. 878) ;
- (j) *Phacochoerus*, all uses of prior to Cuvier (F.), 1826, as suppressed under the Plenary Powers in (1)(b) above (Name No. 879) ;
- (k) *Phascochaeres* Cretzschmar, 1828 (a junior objective synonym of *Phacochoerus* Cuvier (F.), 1826, as validated under the Plenary Powers in (1)(c) above) (Name No. 880) ;
- (l) *Phascochaerus* Desmarest, 1822, as suppressed under the Plenary Powers in (1)(a)(iii) (ϵ) above (Name No. 881) ;
- (m) *Phascochoeres* Ranzani, 1820, as suppressed under the Plenary Powers in (1)(a)(iii) (α) above (Name No. 882) ;
- (n) *Phascochoerus* Ranzani, 1820, as suppressed under the Plenary Powers in (1)(a)(iii) (β) above (Name No. 883).

I. THE STATEMENT OF THE CASE

On 4th March 1953 Dr. T. C. S. Morrison-Scott (then of the *British Museum (Natural History)*, London, and now *Director, The Science Museum, London*) addressed a preliminary communication to the Office of the Commission on the subject of the possible validation under the Plenary Powers of the generic name *Phacochoerus* as from Cuvier (F.), 1826, as the generic name for the Wart Hog. This led to the submission by Dr. Morrison-Scott of the following application on 7th March 1955 :—

**Proposed use of the Plenary Powers to validate the generic name
“Phacochoerus” as from Cuvier (F.), 1826, as the generic name
for the Wart Hog**

By T. C. S. MORRISON-SCOTT, D.S.C., M.A., D.Sc.
(*British Museum (Natural History)*, London)

The object of the present application is to ask the International Commission to take such action as may be necessary to validate as from Cuvier (F.), 1826, the generic name *Phacochoerus* for the Wart Hog, the name universally adopted for the genus for this well-known species. This case is somewhat complicated, partly because there is a considerable number of names which require to be considered and partly because the name *Phacochoerus* is commonly treated as having been published by Cuvier in 1817 in a work in which in fact he did not introduce this generic name. The relevant facts are set out below.

2. The Wart Hog was first described in 1766 (*Misc. zool.* : 16) by Pallas, who then (on the same page) established for it the new nominal genus *Aper* Pallas, at the same time giving this species the name *Aper aethiopicus* Pallas.

3. The name *aethiopicus* Pallas at once came into use for this species but the generic name *Aper* Pallas was not adopted, the zoologists of that day apparently taking the view that this name was a junior synonym of *Sus* Linnaeus, 1758.

4. At the present time the generic name used for the Wart Hog is *Phacochoerus* and this name has been employed in this sense for many years. So used, this name is attributed to Cuvier (G.) and is treated as having been published by that author in 1817 (*Règne Anim.* 1 : 236). On the question of the date to be used for this name, it should be noted that in the part of the *Index Animalium* published in 1929, Sherborn

adopted the date "1817" and that this was copied by Neave in his *Nomenclator Zoologicus*. In the bibliography to the *Index Anim.* (: xli) published in 1922 Sherborn gave, however, the date as "1816". In Sherborn's manuscript slips now preserved in the British Museum (Natural History) there is a manuscript note in red ink in Sherborn's handwriting to the effect that volume 1 of the *Règne Anim.* was published in December 1816*. I think it clear that the entry in the body of the *Index* was compiled at an earlier date than the manuscript amendment on the slip and that it was only through inadvertence that the entry in the book was not corrected. I accordingly accept the date "1816" for this volume. The alleged name *Phacochoerus* Cuvier, 1816, is a cheironym, as was pointed out by Lyon as long ago as 1915 (*Proc. biol. Soc. Wash.* 28 : 141). Cuvier published no such generic name in 1816. What he did was to use no more than the heading "Les Phaco-Choeres (Fred. Cuv.)" at the beginning of the section dealing with the Wart Hogs. In a footnote he added: "*Phaco choerus*; cochon portant une verrue". This is merely an etymological note by Cuvier (G.) inserted for the purpose of explaining to readers the derivation of the term "Les Phaco-Choeres" employed by his brother Cuvier (F.). The use of the expression "*Phaco choerus*" in this footnote cannot possibly be construed as constituting a generic name consisting of the word *Phacochoerus*. Nevertheless, in spite of the clear exposition published by Lyon the generic name *Phacochoerus*, attributed to Cuvier (G.), 1817, has continued in uninterrupted use.

5. In the year (1817) following that to which the cheironym *Phacochoerus* Cuvier (G.), is attributed the nominal genus *Eureodon* was established by Fischer de Waldheim (1817, *Mém. Soc. imp. Nat. Moscou* 5 : 373, 417) with *Aper aethiopicus* Pallas as type species. This name is invalid as a junior synonym of *Aper* Pallas, 1766, but, unless suppressed, would become an available name if *Aper* Pallas were to be suppressed under the Plenary Powers. It is barely known to zoologists, presumably because it has been regarded as a junior synonym of *Phacochoerus* Cuvier, 1816, the cheironym discussed in paragraph 4 above.

6. It must be noted next that the name *Phacochoerus* was published by Fischer de Waldheim in 1817 (5 : 417) in synonymy with his own genus *Eureodon*. Fischer de Waldheim gave, however, no separate diagnosis for *Phacochoerus*, doing no more than give a bibliographical reference to the passage in Cuvier (G.) discussed in paragraph 4 above, and no one has since claimed that this name ranks from Fischer de Waldheim, 1817. The question of the status to be accorded to generic names published in synonymies was considered at Copenhagen in 1953 by the Fourteenth International Congress of Zoology which

* See also 1922, *Cat. Libr. Brit. Mus. (Nat. Hist.)* 6 Add. et Corrig. : 26

inserted in the *Règles* a provision that a generic name published in the manner described above possesses no status in zoological nomenclature (1953, *Copenhagen Decisions zool. Nomencl.* : 63, Decision 115). All that is now required is therefore that the name *Phacochoerus* Fischer de Waldheim, 1817, should be placed on the *Official Index of Rejected and Invalid Names*.

7. During the next five years five further nominal genera were established for the Wart Hog. First, in 1820, Ranzani published (*Elem. Zool.* 2 : 536, 537) the name *Phascochoeres* and the variant spelling *Phascochoerus*. These names are clearly both Latinised variants of the French designation "Les Phaco-Choeres" devised for the Wart Hog by Cuvier (F.) and, as shown in paragraph 4 above, published by Cuvier (G.) in 1816. Second, in 1821 Gray (J.E.) (*London med. Reposit.* 15 : 306) published the name *Phacochoeres* as a variant of the reputed but non-existent name *Phacochoerus* Cuvier (G.), 1816. Third, in 1822 two further variants of the name *Phacochoerus* which every author of that time considered had been published by Cuvier (G.) in the *Règne Anim.* saw the light. The first of these, *Phacocherus*, was introduced by Fleming (*Phil. Zool.* 2 : 200), the second, *Phascochoerus*, by Desmarest (*Ency. méth. (Mamm.)* (2) : 393).

8. Finally, in 1826 (*Dict. Sci. nat.* 39 : 393) this genus was dealt with by Cuvier (F.), the original author of the French designation "Les Phaco-Choeres" who on this occasion published this name in due Latin form as *Phacochoerus*. In view of the fact that Sherborn gave this name as having been published as *Phacochoerus*, i.e. with an "ae" and not an "oe" in the penultimate syllable, I have checked the original carefully and the diphthong, as printed, is certainly "oe" and not "ae". Admittedly, the "oe" used in this printing is very like the "ae" and the erroneous entry in the *Index Animalium* is readily understandable. The differences between the two diphthongs used in this work are small but are clear enough if comparison is made with other names containing diphthongs printed in the same work. In these circumstances the universally employed "oe" spelling for this name is correct and no action by the Commission is needed, beyond its giving recognition of this fact. The type species of this genus is, by monotypy, *Aper aethiopicus* Pallas, 1766 (cited by Cuvier under the form *Sus aethiopicus* Gmelin).

9. The name *Phacochoerus* has been used so consistently for the Wart Hog for well over a hundred years that it is clearly desirable in the interests of nomenclatorial stability that it should be retained as the generic name for this well-known species. In order that this end may be secured, it will be necessary for the International Commission to use its Plenary Powers to (1) suppress the two generic names (*Aper* ; *Eureodon*) published in or before 1817, the year in which all the earlier nineteenth century mammalogists considered (incorrectly, as we have

seen) that Cuvier (G.) had published the generic name *Phacochoerus*, (2) to suppress all the variant forms of that name published between that year and 1826, and (3) to validate the generic name *Phacochoerus* Cuvier (F.), 1826.

10. This proposal will, I believe, have the general support of zoologists, both because of the fact that the name *Phacochoerus* is universally employed by mammalogists for the Wart Hog and because the publication in 1953 by Ellerman and myself (*Southern African Mammals 1758 to 1951 : A Reclassification* : 171) of our intention to submit the present proposal to the International Commission elicited no objection from any source.

11. The genus *Phacochoerus* Cuvier is currently treated as belonging to the family SUIDAE and no question arises of placing on the *Official List of Family-Group Names in Zoology* the name of a family-group taxon based upon the generic name *Phacochoerus*.

12. I accordingly ask the International Commission :—

(1) to use its Plenary Powers :—

(a) to suppress the under-mentioned generic names for the purposes of the Law of Priority but not for those of the Law of Homonymy :—

(i) *Aper* Pallas, 1766 ;

(ii) *Eureodon* Fischer de Waldheim, 1817 ;

(iii) the under-mentioned variants of the reputed but non-existent generic name *Phacochoerus* Cuvier (G.), [1816] :—

(α) *Phascochoeres* Ranzani, 1820 ;

(β) *Phascochoerus* Ranzani, 1820 ;

(γ) *Phacochaeres* Gray (J.E.), 1821 ;

(δ) *Phacocherus* Fleming, 1822 ;

(ϵ) *Phascochaerus* Desmarest, 1822 ;

(b) to suppress the following name for the purposes both of the Law of Priority and of the Law of Homonymy :—
Phacochoerus, all uses of, prior to Cuvier, 1826 ;

(c) to validate the under-mentioned generic name *Phacochoerus* Cuvier (F.), 1826 ;

(2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* : *Phacochoerus* Cuvier (F.),

1826, as validated under the Plenary Powers under (1)(c) above (gender : masculine) (type species, by monotypy : *Aper aethiopicus* Pallas, 1766) ;

- (3) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* : *aethiopicus* Pallas, 1766, as published in the combination *Aper aethiopicus* (specific name of type species of *Phacochoerus* Cuvier (F.), 1826) ;
- (4) to place the under-mentioned generic names or reputed generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
- (a) the eight generic names specified in (1)(a) and (1)(b) above, as there suppressed under the Plenary Powers ;
- (b) the reputed but non-existent generic name *Phacochoerus* Cuvier (G.), [1816] ;
- (c) *Phacochoerus* Fischer de Waldheim, 1817 (invalid because published in a generic synonymy without an independent indication) ;
- (d) the under-mentioned junior objective synonyms of *Phacochoerus* Cuvier (F.), 1826, validated under the Plenary Powers under (1)(c) above :—
- (i) *Phascochaeres* Cretzschmar, 1828, in Rüppell, *Atlas Reise nordl. Afr.*, Saugth. : 61 ;
- (ii) *Dinochoerus* Gloger, [1841], *Gemeinnütz. Naturgesch.* 1 : 131 ;
- (iii) *Macrocephalus* Palmer, 1904, *N. amer. Faun.* 23 : 391 (commonly cited as “*Index Gen. Mamm.*”) ;
- (e) *Macrocephalus* Frisch, 1775, *Natur-Syst. vierfüssig. Thiere* : 3 (a name published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion 258*).

II. THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of Dr. Morrison-Scott's preliminary communication in March 1953, the question of the generic name to be accepted for the Wart Hog was allotted the Registered Number Z.N.(S.) 756.

3. Publication of the present application : The present application was sent to the printer on 11th March 1955 and was published on 31st May in the same year in Part 6 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Morrison-Scott, 1955, *Bull. zool. Nomencl.* **11** : 191—195).

4. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers was given on 31st May 1955 (a) in Part 6 of Volume 11 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Morrison-Scott's application was published), and (b) to the other prescribed serial publications. In addition, such Notice was given also to four general zoological serial publications and to two specialist serials in Europe and America.

5. Comments received : Following the publication of the present application in the *Bulletin of Zoological Nomenclature* and prior to the submission to the International Commission of a Voting Paper in respect of the present case, comments on the proposal submitted were received from eighteen specialists. Of these sixteen (16) supported the present application and two (2) were opposed to it. The distribution by countries of the specialists who furnished these comments was as follows :—

(a) *Specialists who supported the present application, sixteen (16) :*

Argentina (one) ; Australia (one) ; Belgium (one) ; France (one) ; Germany (two) ; Italy (one) ; Netherlands (three) ; Poland (one) ; United Kingdom (three) ; U.S.A. (two).

(b) *Specialists who opposed the present application, two (2) :*

Netherlands (one) ; U.S.A. (one).

The comments so received are reproduced in the immediately following paragraphs.

6. Support received from Sir John Ellerman (London) : On 2nd March 1956 Sir John Ellerman (*London*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.) for the Wart Hog.

7. Support received from R. W. Hayman (British Museum (Natural History), London) : On 2nd March 1956 Mr. R. W. Hayman (*British Museum (Natural History), London*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

8. Support received from H. von Boetticher (Naturwissen-Schaftliches Museum, Coburg, Germany) : On 3rd March 1956 Dr. H. von Boetticher (*Naturwissen-Schaftliches Museum, Coburg, Germany*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

9. Support received from A. C. V. van Bommel (Alkmaar, Netherlands) : On 4th March 1956 Dr. A. C. V. van Bommel (*Alkmaar, Netherlands*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

10. Support received from S. Frechkop (Institut Royal des Sciences Naturelles de Belgique, Bruxelles) : On 5th March 1956 Dr. S. Frechkop (*Institut Royal des Sciences Naturelles de Belgique, Bruxelles*) intimated his support for the present application as follows :—

Il est clair que *Phacochoerus* soit être validé, le nom *Aper* étant synonyme de *Sus scrofa* Linné et *Eureodon* étant postérieur à *Phacochoerus*.

11. Support received from T. Haltenorth (Zoologische Staatssammlung, München, Germany) : On 5th March 1956 Dr. T. Haltenorth (*Zoologische Staatssammlung, München, Germany*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier.

12. Support received from V. Tedesco Zammarano (Rome) : On 5th March 1956 Dr. V. Tedesco Zammarano (*Rome*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier, 1826.

13. Support received from William H. Burt (Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.) : On 5th March 1956 Dr. William H. Burt (*Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.*) intimated his support for the present application as follows :—

I am in favor of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

14. Support received from Miss E. M. O. Laurie (British Museum (Natural History), London) : On 6th March 1956 Miss E. M. O. Laurie (*British Museum (Natural History), London*) intimated her support for the present case as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

15. Support received from D. A. Hooijer (Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands) : On 6th March 1956 Dr. D. A. Hooijer (*Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands*) intimated his support for the present case as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier,

16. Support received from G. G. Simpson (American Museum of Natural History, New York) : On 6th March 1956 Dr. G. G. Simpson (*American Museum of Natural History, New York*) intimated his support for the present application as follows :—

I am strongly in favor of the validation by the Commission of the name *Phacochoerus*. Validation of any other name than *Phacochoerus* would be extremely confusing.

17. Support received from A. Cabrera (La Plata, Argentina) : On 6th March 1956 Dr. A. Cabrera (*La Plata, Argentina*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.).

18. Support received from W. Serafiński (Polish Academy of Sciences, Warsaw) : On 8th March 1956 Dr. W. Serafiński (*Polish Academy of Sciences, Warsaw*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826.

19. Support received from J. Dorst (Muséum National d'Histoire Naturelle, Paris) : On 12th March 1956 Dr. J. Dorst (*Muséum National d'Histoire Naturelle, Paris*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826.

20. Support received from C. W. Brazenor (National Museum of Victoria, Australia) : On 19th March 1956 Dr. C. W. Brazenor (*National Museum of Victoria, Australia*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826. for the Wart Hog.

21. Support received from F. H. van den Brink (Noordwijk aan Zee, Netherlands) : On 24th March 1956 Mr. F. H. van den Brink (*Noordwijk aan Zee, Netherlands*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *Phacochoerus* Cuvier (F.), 1826, for the Wart Hog.

22. Objection received from P. Hershkovitz (Chicago Natural History Museum, Chicago, U.S.A.) : On 26th September 1955 Dr. P. Hershkovitz (*Chicago Natural History Museum, Chicago, U.S.A.*) addressed the following letter to the Office of the Commission in regard to the present case :—

It is proposed by Dr. T. C. S. Morrison-Scott that the generic name for the wart hog be *Phacochoerus* F. Cuvier, 1826, with type species by monotypy, *Aper aethiopicus* Pallas, 1766. To insure that no name other than *Phacochoerus*, as used by Frédéric Cuvier in 1826 (*Dict. Sci. nat.*, 39 : 383) be the name, Morrison-Scott further proposes that :—

(1) Eight earlier generic names for the wart hog, viz., *Aper* Pallas, 1766, *Eureodon* Fischer, 1817, *Phacochoerus* Fischer, 1817, *Phascochoeres* Ranzani, 1820, *Phascochoerus* Ranzani, 1820, *Phacochoeres* Gray, 1821, *Phacochoerus* Fleming, 1822, and *Phascochoerus* Desmarest, 1822, be suppressed by placing them on the *Official Index of Rejected and Invalid Generic in Names Zoology*.

(2) Three generic names dated after 1826, viz., *Phascochoeres* Cretzschmar, 1828, *Dinochoerus* Gloger, 1841, and *Macrocephalus* Palmer, 1904, be accepted as junior synonyms of *Phacochoerus* F. Cuvier, 1826. Type species or other evidence were not presented to show that these names are indeed synonyms of *Phacochoerus* Cuvier, 1826. In any case, the Commission will recognize that it is requested to rule on these names as zoological concepts.

It is not explained why *Phacochoerus*, as used by Frédéric Cuvier in 1826, is preferable to the same name, or a variant thereof, used by some other author, or by the same author on another date. It is shown by Morrison-Scott that workers have credited *Pachochoerus* incorrectly to George Cuvier, 1817 (*Règn. Anim.* 1 : 236, where only the vernacular term "Phaco-choeres" is used). It was not until 1953 that the *Phacochoerus* of F. Cuvier, dated from 1826, was introduced by Ellerman, Morrison-Scott and Hayman (in *South African Mammals : A Reclassification*, Brit. Mus. Nat. Hist., p. 171 ; " *Phacochoerus*

F. Cuvier" in G. M. Allen, 1939, *Bull. Mus. comp. Zool.* 83 : 459, is a *lapsus* because the bibliographic reference is to G. Cuvier, 1817, and not to F. Cuvier).

Had *Aper* Pallas, 1766, been duly used as the senior name for the wart hog instead of merely being cited as a synonym of *Phacochoerus* in the works mentioned above, it is certain that all other mammalogists would have seconded that move toward stabilization of nomenclature by automatic application of the Rule of Priority (cf. paragraph 10 of Morrison-Scott's application where the contrary is assumed).

Far from being ignored or generally unused, the generic name *Aper* Pallas, 1766, is cited in generic synonymy by all authors (including Morrison-Scott) and the combination *Aper aethiopicus* Pallas is cited as the type species by all authors.

The generic name *Phacochoerus* is hardly a household term. Few would notice its burial in the synonymy of *Aper* and fewer yet would bereave its demise.

The zoological aspects of the case are not to be overlooked. *Aper*, or *Phacochoerus*, is one of five generic names in the subfamily SUINAE. Each of these genera is monotypic (except for an alleged second species of *Potamochoerus* from Madagascar). There is the probability that one or more of the current genera will be reduced to subgenera, others to species within the genus *Sus* Linnaeus, 1753.

23. Objection received from A. M. Husson (Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands) : On 20th March 1956 Dr. A. M. Husson (*Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands*) intimated his objection to the present application as follows :—

I am in favour of the acceptance of the name *Aper* Pallas, 1776, as this is the correct name under the priority rule. Any confusion with another genus is excluded.

III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

24. Issue of Voting Paper V.P.(56)26 : On 27th April 1956 a Voting Paper (V.P.(56)26) was issued in which the Members of

the Commission were invited to vote either for, or against, " the proposal relating to the generic name for the Wart Hog (*Phacochoerus*) as set out in Points (1) to (4) in paragraph 12 on pages 194—195 of Volume 11 of the *Bulletin of Zoological Nomenclature* " [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*].

25. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 27th July 1956.

26. Particulars of the Voting on Voting Paper V.P.(56)26 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(56)26 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Esaki ; Dymond ; Prantl ; Hankó ;
Bonnet ; Bodenheimer ; Mayr ; Mertens ; Lemche ;
Key ; Jaczewski ; Boschma ; do Amaral ; Riley ;
Cabrera ; Kühnelt ; Stoll ; Sylvester-Bradley ; Tor-
tonese ; Hemming ; Vokes ; Miller ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bradley (J.C.) ;

(d) *Voting Papers not returned :*

None.

27. Declaration of Result of Vote : On 28th July 1956 Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(56)26, signed a Certificate that the Votes cast were as set out in paragraph 26 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

28. Preparation of the Ruling given in the present " Opinion " : On 9th January 1957 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(56)26.

29. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

aethiopicus, *Aper*, Pallas, 1766, *Misc. zool.* : 16

Aper Pallas, 1766, *Misc. zool.* : 16

Dinochoerus Gloger, [1841], *Gemeinnütz. Naturgesch.* **1** : 131

Eureodon Fischer de Waldheim, 1817, *Mém. Soc. imp. Nat. Moscou* **5** : 373, 417

Macrocephalus Frisch (J.L.), 1775, *Natur-Syst. vierfüssig. Thiere* : 3

Macrocephalus Palmer, 1904, *N. amer. Fauna* **23** : 391 (a work commonly cited as "*Index Gen. Mamm.*", the title of Palmer's paper)

Phacochaeres Gray (J.E.), 1821, *London med. Repository* **15** : 306

Phacocherus Fleming, 1822, *Phil. Zool.* **2** : 200

Phacochoerus Cuvier (G.), [1816] (a reputed but non-existent name sometimes alleged to have been published in the *Règne Anim.* (1 : 236), where, however, Cuvier used only the French term “Les Phaco-Choeres” and in a footnote the Latin expression “*Phaco choerus*”)

Phacochoerus Fischer de Waldheim, 1817, *Mém. Soc. imp. Nat. Moscou* 5 : 417

Phacochoerus, all uses of prior to Cuvier (F.), 1826, suppressed under the Plenary Powers

Phacochoerus Cuvier (F.), 1826, *Dict. Sci. nat.* 39 : 383

Phascochaeres Cretzschmar, 1828, in Rüppell, *Atlas Reise nordl. Afr.*, Säugth. : 61

Phascochaerus Desmarest, 1822, *Ency. méth.* (Mamm.) (2) : 393

Phascochoeres Ranzani, 1820, *Elem. Zool.* 2(3) : 536, 537

Phascochoerus Ranzani, 1820, *Elem. Zool.* 2(3) : 536, 537

30. Family-group-Name Problem : The generic name was *Phacochoerus* was taken by Gray in 1868 as the base for a family PHACOCHOERIDAE but the name is not in use, this genus being currently placed in the nominate subfamily of the family SUIDAE.

31. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

32. The present *Opinion* shall be known as *Opinion* Four Hundred and Sixty-Six (466) of the International Commission on Zoological Nomenclature.

DONE in London, this Ninth day of January, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING